

Amendments to the Specification:

Please replace the title of the invention at page 1, line 1 with the following amended title:

SIMPLIFIED POWER MONITORING SYSTEM FOR ELECTRICAL PANELS

Please replace the paragraph beginning at page 1, line 6 with the following amended paragraph:

Referring to FIG. 1, many electrical power distribution systems include a panel enclosure 10 into which is provided electrical power using one or more sets of wires 12. The electrical power may have any voltage, any current, and any number of phases (e.g., single phase, two phases, or three phases). Each phase of the electrical power to the power panel is normally provided to a separate bus bar 14a, 14b, and 14c, which are normally elongate conductors within the power panel 10. A plurality of circuit breakers 16a, 16b, and 16c, etc., which trip or otherwise selectively disconnect electrical power, are electrically interconnected between one or more of the bus bars 14a, 14b, and 14c, and respective loads 18 external to the power panel 10. In many power panels 10 the circuit breakers 16 are vertically aligned in one or more strips ~~20 and 22~~. When the load 18 interconnected to a respective circuit breaker 16 within the power panel 10 draws excessive electrical current then the circuit break breaker 16 trips or otherwise disconnects the electrical power to the load 18. In this manner, if a load shorts and thereafter draws excessive current then the circuit breaker will trip. Frequently the load will be a three-phase load having three wires provided thereto, with one or more corresponding circuit breakers.

Please replace the Abstract, beginning at page 25, line 9 with the following amended Abstract:

A power monitoring system for electrical panels providing multi-phase power, with multiple current sensors. The disclosed power monitoring system preferably includes a support, at least four sensors defining an opening through which a wire may be extended, with the sensors being supported by the supports in a fixed spatial relationship.